

ENTERED



PCT

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/762,028

DATE: 03/27/2003
 TIME: 11:59:24

Input Set : A:\EP.txt
 Output Set: N:\CRF4\03272003\I762028.raw

3 <110> APPLICANT: Yang, Fei
 4 Sun, Yongming
 5 Recipon, Herve
 6 Macina, Roberto
 8 <120> TITLE OF INVENTION: A Novel Method of Diagnosing, Monitoring, Staging, Imaging
 and Treating Lung Cancer
 11 <130> FILE REFERENCE: DEX-0146
 13 <140> CURRENT APPLICATION NUMBER: US 09/762,028
 14 <141> CURRENT FILING DATE: 1999-07-19
 16 <150> PRIOR APPLICATION NUMBER: US 60/095,233
 17 <151> PRIOR FILING DATE: 1998-08-04
 19 <160> NUMBER OF SEQ ID NOS: 6
 21 <170> SOFTWARE: PatentIn version 3.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 174
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapien
 28 <400> SEQUENCE: 1
 29 cataattggg catactgtaa tattctcaga gatctatatg taaaatttgt atagtcata 60
 31 ttttatggtg ggttataatt gtctctagta gattctgtga gtctaaaaca ataggaagac 120
 33 tgcgtccat tagcttgtca tgcaattttt aactttgaca atagactttt tttg 174
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 276
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Homo sapien
 41 <400> SEQUENCE: 2
 42 aaggaggatc tggaggtagg gtccaaagggc cacgagccag tttggctgc tggagggggg 60
 44 cctggcaagg agggctctcg gggaaagcacc tgtggggtc tgcttcctga ccccaggag 120
 46 ctagaggcct ccctccctcc agccccccca agccaggctg agccagccgc taggggcacg 180
 48 gagcagtgcc caccttgcgc ccagtgtggc cagagctcg gccggaagga gctcagtgcg 240
 50 ccgcaccaggc gcgtgcacatcg tggcccccgg ccttc 276
 53 <210> SEQ ID NO: 3
 54 <211> LENGTH: 347
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Homo sapien
 58 <220> FEATURE:
 59 <221> NAME/KEY: misc_feature
 60 <222> LOCATION: (279)..(280)
 61 <223> OTHER INFORMATION: n=a, c, g, or t
 64 <220> FEATURE:
 65 <221> NAME/KEY: misc_feature
 66 <222> LOCATION: (282)..(282)
 67 <223> OTHER INFORMATION: n=a, c, g, or t

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/762,028

DATE: 03/27/2003
TIME: 11:59:24

Input Set : A:\EP.txt
Output Set: N:\CRF4\03272003\I762028.raw

70 <220> FEATURE:
71 <221> NAME/KEY: misc_feature
72 <222> LOCATION: (311)..(311)
73 <223> OTHER INFORMATION: n=a, c, g, or t
76 <400> SEQUENCE: 3
77 gttagcttca caccccgcc agcaggaggg cggcagcttc tcgcaggccg cagggcgggc 60
79 gcccaggatc atgtccacca ccacatgcca agtggccgc ttccctctgt ccacccctggg 120
81 gctggccggc tgcacatgcgg ccaccggat ggacatgtgg agcaccaggc acctgtacga 180
83 caaccccggtc acctccgtgt tccagtaga agggctctgg agggactgag tgaggcagag 240
W--> 85 ttcaggcttc accgaatgca ggccctatatt caccatccnn gnacttccag ccatgctgca 300
87 ggcagtgcga nccctgatga tcgttaggcat cgtcctgggt gccattg 347
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 1016
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapien
95 <400> SEQUENCE: 4
96 acggggagag agaggagacc aggacagctg ctgagacctc taagaagtcc agatactaag 60
98 agcaaagatg tttcaactg gggccctcat tgcctctac gggctgttag cccagaccat 120
100 gccccagttt ggaggccctgc ccgtgccttgc ggaccagacc ctgccttgc atgtaatcc 180
102 agccctgcgc ttgagtcctca caggtcttgc aggaagcttgc acaaatgcgc tcagcaatgg 240
104 cctgtgtctt gggccctgt tgggcattttt ggaaacacccctt ccgccttgc acatccctgaa 300
106 gcttggagga ggtacttgcgt gtggcccttgc tggggactg cttggaaaag tgacgtcagt 360
108 gattccttgc ctgaacaaca tcatttgcatttgc aatggacttgc gaccccccacgc tgcttgcact 420
110 tggcccttgc tggcccttgc atggccaccgc tctctatgtc accatccctc tcggcataaaa 480
112 gctccaatgtt aatacgcgcgc tggccgttgc aatgttgcatttgc aggttgcgttgc tgaagcttgc 540
114 catcaacttgc gaaatcttgc tggccgttgc aatgttgcatttgc aggttgcgttgc tgaagcttgc 600
116 tgactgcacc cattcccttgc gaaatcttgc aatgttgcatttgc tggccgttgc tggcccttgc 660
118 ccccaatttcaaa ggttcccttgc aatgttgcatttgc tggccgttgc tggcccttgc 720
120 gtttcaggcc aacgtgttgccttgc tggccgttgc aatgttgcatttgc aggttgcgttgc 780
122 ggttgcaccatgttgc tggccgttgc aatgttgcatttgc tggccgttgc tggcccttgc 840
124 cttccaggaa gggccgttgc tggccgttgc aatgttgcatttgc tggccgttgc tggcccttgc 900
126 atgttgcaccatgttgc tggccgttgc aatgttgcatttgc tggccgttgc tggcccttgc 960
128 accaggccgttgc tggccgttgc aatgttgcatttgc tggccgttgc tggcccttgc 1016
131 <210> SEQ ID NO: 5
132 <211> LENGTH: 597
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo sapien
136 <400> SEQUENCE: 5
137 tggccgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 60
139 tcccaatgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 120
141 caggccgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 180
143 tctccgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 240
145 ttcttcgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 300
147 ggaggccgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 360
149 cccttcgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 420
151 gcaatgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 480
153 gagcttgcaccatgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 540
155 ctgcgttgcaccatgttgc tggccgttgc aatgttgcatttgc tggccgttgc aatgttgcatttgc tggccgttgc 597
158 <210> SEQ ID NO: 6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/762,028

DATE: 03/27/2003
TIME: 11:59:24

Input Set : A:\EP.txt
Output Set: N:\CRF4\03272003\I762028.raw

159 <211> LENGTH: 256
160 <212> TYPE: PRT
161 <213> ORGANISM: Homo sapien
163 <400> SEQUENCE: 6
165 Met Phe Gln Thr Gly Gly Leu Ile Val Phe Tyr Gly Leu Leu Ala Gln
166 1 5 10 15
169 Thr Met Ala Gln Phe Gly Gly Leu Pro Val Pro Leu Asp Gln Thr Leu
170 20 25 30
173 Pro Leu Asn Val Asn Pro Ala Leu Pro Leu Ser Pro Thr Gly Leu Ala
174 35 40 45
177 Gly Ser Leu Thr Asn Ala Leu Ser Asn Gly Leu Leu Ser Gly Gly Leu
178 50 55 60
181 Leu Gly Ile Leu Glu Asn Leu Pro Leu Leu Asp Ile Leu Lys Pro Gly
182 65 70 75 80
185 Gly Gly Thr Ser Gly Gly Leu Leu Gly Gly Leu Leu Gly Lys Val Thr
186 85 90 95
189 Ser Val Ile Pro Gly Leu Asn Asn Ile Ile Asp Ile Lys Val Thr Asp
190 100 105 110
193 Pro Gln Leu Leu Glu Leu Gly Leu Val Gln Ser Pro Asp Gly His Arg
194 115 120 125
197 Leu Tyr Val Thr Ile Pro Leu Gly Ile Lys Leu Gln Val Asn Thr Pro
198 130 135 140
201 Leu Val Gly Ala Ser Leu Leu Arg Leu Ala Val Lys Leu Asp Ile Thr
202 145 150 155 160
205 Ala Glu Ile Leu Ala Val Arg Asp Lys Gln Glu Arg Ile His Leu Val
206 165 170 175
209 Leu Gly Asp Cys Thr His Ser Pro Gly Ser Leu Gln Ile Ser Leu Leu
210 180 185 190
213 Asp Gly Leu Gly Pro Leu Pro Ile Gln Gly Leu Leu Asp Ser Leu Thr
214 195 200 205
217 Gly Ile Leu Asn Lys Val Leu Pro Glu Leu Val Gln Gly Asn Val Cys
218 210 215 220
221 Pro Leu Val Asn Glu Val Leu Arg Gly Leu Asp Ile Thr Leu Val His
222 225 230 235 240
225 Asp Ile Val Asn Met Leu Ile His Gly Leu Gln Phe Val Ile Lys Val
226 245 250 255

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/762,028

DATE: 03/27/2003
TIME: 11:59:25

Input Set : A:\EP.txt
Output Set: N:\CRF4\03272003\I762028.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 279,280,282,311

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/762,028

DATE: 03/27/2003

TIME: 11:59:25

Input Set : A:\EP.txt

Output Set: N:\CRF4\03272003\I762028.raw

L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240
M:341 Repeated in SeqNo=3